

**IN THE CLAIMS:**

Please amend claims 2-8, 12, 13, 15, 19, 20, 23, and 24 as follows.

1. (Original) An antenna adjustment method, comprising:  
gathering information on interference in predetermined radio cells;  
arranging the gathered information radio cell-specifically for processing;  
determining a tilting factor for at least one predetermined radio cell, wherein the  
tilting factor relates to the interference the radio cell produces to other cells;  
searching for the radio cells having the antenna tilting factors that fulfill a  
predetermined criterion; and  
tilting the antennas of the searched radio cells.

2. (Currently Amended) The method of claim 1, wherein the gathering  
information step comprises gathering the information on the interference, which  
comprises pilot-channel signal-strength measurement results measured by user terminals.

3. (Currently Amended) The method of claim 1, wherein the gathering  
information step comprises gathering the information comprising soft handover statistics.

4. (Currently Amended) The method of claim 1, wherein the gathering information step comprises gathering the information comprising a total average power emitted by a base station during a predetermined period of time.

5. (Currently Amended) The method of claim 1, wherein the gathering information step comprises gathering the gathered information, which is arranged in a matrix.

6. (Currently Amended) The method of claim 1, wherein the determining of the tilting factor step comprises determining the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

7. (Currently Amended) The method of claim 1, wherein the searching for the radio cells step comprises searching for the radio cells having the antenna tilting factors that fulfill the predetermined criterion, which is a value that exceeds the average of the determined antenna tilting factors by a predetermined amount.

8. (Currently Amended) An antenna adjustment system, comprising configured to:

~~gathering means for gathering~~ unit configured to gather information on interference in predetermined radio cells

~~arranging means for arranging~~ unit configured to arrange the gathered information radio cell-specifically for processing;

~~determining means for determining~~ unit configured to determine a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

~~searching means for searching~~ unit configured to search for radio cells having the antenna tilting factors that fulfill a predetermined criterion.

9. (Original) The system of claim 8, wherein the information on the interference comprises pilot-channel signal-strength measurement results measured by user terminals.

10. (Original) The system of claim 8, wherein the information comprises soft handover statistics.

11. (Original) The system of claim 8, wherein the information includes a total average power emitted by a base station during a predetermined period of time.

12. (Currently Amended) The system of claim 8, wherein the arranging unit is further configured to ~~means arranges~~ arrange the gathered information into a matrix.

13. (Currently Amended) The system of claim 8, wherein the determining unit is further configured to ~~means-determines~~ determine the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

14. (Original) The system of claim 8, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors by a predetermined amount.

15. (Currently Amended) A network element for adjusting antennas, comprising:  
~~gathering-means-for~~ gathering unit configured to gather information on interference in predetermined radio cells;

~~arranging-means-for~~ arranging unit configured to arrange the gathered information radio cell-specifically for processing;

~~determining-means-for~~ determining unit configured to determine a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

~~searching-means-for~~ searching unit configured to search for the radio cells having the antenna tilting factors that fulfill a predetermined criterion.

16. (Original) The network element of claim 15, wherein the information on the interference comprises pilot-channel signal-strength measurement results measured by user terminals.

17. (Original) The network element of claim 15, wherein the information comprises soft handover statistics.

18. (Original) The network element of claim 15, wherein the information comprises a total average power emitted by a base station during a predetermined period of time.

19. (Currently Amended) The network element of claim 15, wherein the arranging unit is further configured to ~~means-arranges-~~ arrange the gathered information into a matrix.

20. (Currently Amended) The network element of claim 15, wherein the determining unit ~~means-determines~~ is further configured to determine the antenna tilting factor by calculating an average or a weighted average of signal strength measurement results measured by user terminals.

21. (Original) The network element of claim 15, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors.

22. (Original) The network element of claim 15, wherein the predetermined criterion is a value that exceeds an average of the determined antenna tilting factors by a predetermined amount.

23. (Currently Amended) An antenna adjustment system comprising ~~configured~~ to:

gathering means for gathering information on interference in predetermined radio cells;

arrange arranging means for arranging the gathered information radio cell-specifically for processing;

determine determining means for determining a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

~~search~~ searching means for searching the radio cells having the antenna tilting factors that fulfill a predetermined criterion.

24. (Currently Amended) A network element for adjusting antennas configured to:

~~gather~~ gathering means for arranging information on interference in predetermined radio cells;

~~arrange~~ arranging means for arranging the gathered information radio cell-specifically for processing;

~~determine~~ determining means for determining a tilting factor for at least one predetermined radio cell, wherein the tilting factor relates to the interference that the radio cell produces to other cells; and

~~search~~ searching means for searching the radio cells having the antenna tilting factors that fulfill a predetermined criterion.